

ABSTRACT OF THE DISCLOSURE

A method of evaluating a tuneable laser and determining suitable laser operation points. Part of the light emitted by the laser is led to a Fabry-Perot filter and to a pair of light detectors to measure the power of the laser and deliver a corresponding output signal representative of the wavelength of the detected light. Injected currents are swept through the laser tuning sections to pass through different current combinations, and the ratio between the detector signals is measured during the sweep of the reflector current in both directions. The control combination for the tuning currents is stored when the ratio between the detector output signals lies within a predetermined range, signifying that the emitted light lies within one of a number of wavelengths given by the Fabry-Perot filter, and the ratio lies within the predetermined range for a given reflector current in both sweep directions of the reflector current.

2001051845